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(71) Applicants:
• Hitachi, Ltd.
Chiyoda-ku, Tokyo 101 (JP)
• HITACHI MICROCOMPUTER SYSTEM LTD.
Kodaira-shi Tokyo (JP)

(72) Inventors:
• Hagiwara, Hiroshi
Sawa-gun, Gunma-ken (JP)

• Watanabe, Kazuo
Takasaki-shi (JP)
• Takahashi, Kyoichi
Fujioaka-shi (JP)
• Takahashi, Kenji
Takasaki-shi (JP)
• Waki, Michio
Kitagunma-gun, Gunma-ken (JP)
• Matsuoka, Tadashi
Takasaki-shi (JP)

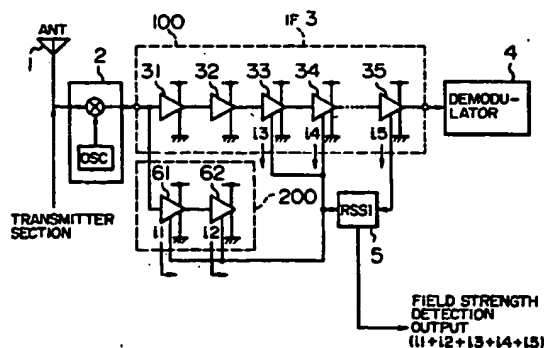
(74) Representative: Calderbank, Thomas Roger et al
MEWBURN ELLIS
York House
23 Kingsway
London WC2B 6HP (GB)

(54) Radio communication apparatus with circuit for field strength determination

(57) Part of a first signal path (100) for amplifying a signal includes circuits (33b, 34b) for detecting a signal, and a second signal path (200) connected to an input portion of the first signal path includes circuits (61b, 62b) for detecting the signal. A signal strength detector circuit (5) adds outputs from the respective detector circuits in the first and second signal paths. The first signal path has a function of expanding the dynamic range in a

smaller signal region as compared with the second signal path, while the second signal path has a function of expanding the dynamic range in a larger signal region as compared with the first signal path. When a radio transmitted output is variably controlled in a radio transmitter section (TX) based on a field strength detection output for a received signal, the transmitted output is optimized, resulting in minimizing consumed power and unnecessary radiation of radio waves.

FIG. 3



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EUROPEAN SEARCH REPORT

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| Place of search THE HAGUE | | Date of completion of the search 9 September 1998 | Examiner Harris, E |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

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